

WHAT IS CLAIMED IS:

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Sub  
Q3

1. A DNA which comprises a deoxynucleotide sequence coding for bovine growth hormone.
2. A DNA which comprises a deoxynucleotide sequence coding for bovine growth pre-hormone.
3. A DNA transfer vector which comprises the DNA of claim 1.
4. A DNA transfer vector which comprises the DNA of claim 2.
5. A microorganism transformed by the transfer vector of claim 3.
6. A microorganism transformed by the transfer vector of claim 4.
7. The transfer vector of claim 4, comprising pBP348.
8. A microorganism transformed by the transfer vector of claim 7.
9. A DNA expression vector which comprises the DNA of claim 1.
10. A DNA expression vector which comprises the DNA of claim 2.
11. A microorganism transformed by the expression vector of claim 9.
12. A microorganism transformed by the expression vector of claim 10.
13. The microorganism of claims 5, 6 or 8 comprising Escherichia coli  $\lambda$ 1776.

14. The microorganism of claims 11 or 12 comprising Escherichia coli x1776 or Escherichia coli HB101.

15. The protein expressed by the microorganisms of claim 5, 6 or 8.

16. The protein expressed by the microorganisms of claim 11 or 12.

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a4